



#### Culture media:

Eagle BME basal medium  
 MEM Eagle's Minimum Essential Medium  
 RPMI 1640  
 Middle DMEM Dulbecco's modified MEM  
 Middle GMEM Glasgow MEM  
 IMDM Iscove modified DMEM  
 McCoy the 5th  
 L-15 Medium Leibovitz L-15  
 Medium F-10 Ham's F-10  
 Medium F-12 Ham's F-12  
 Medium 199 199  
 M16  
 CS-C)

#### Chemical composition:

- Balanced Salt Solution (BSS): mixture of salts inorganic supplemented with glucose
- Amino acids, amino acid supplementation essential to adding glutamine 2mM concentration prior to use of the medium
- Vitamins
- Glucose
- Other molecules, lipids, pyruvate, etc ...
- Serum, adding hormones and growth factors. Calf serum (CF), bovine serum fetal (FCS), horse serum (HS)
- Serum source human (HUS).
- Lines without serum grow and other lines that do not grow in the presence of serum. concentrations minimum may stimulate or inhibit cell growth.

#### Defined formulations:

Factors accession  
 Protease inhibitors, hormones, factors  
 Growth, trace elements: Cu, Se and Fe  
 Proteins

#### Physical properties:

- pH around 7.4 and controlled by CO<sub>2</sub> incubator and buffer substances contained in the medium formulation: HEPES. Culture medium includes phenol red pH indicator.
- osmolality, which typically ranges generally between 260-320 mOsm / kg.
- Temperature influences the pH
- Viscosity serum concentration
- Surface tension, low to prevent foaming

histotípicos crops: three dimensional structures similar to the original tissue

- High-density cultures on a p. filter
- Perfusion and overgrowth of monocapaen (disk or bottle)
- reaggregation suspension on agar, actual or simulated zero gravity
- Infiltration of a three dimensional matrix like collagen gel

the organotypic culture  
 (Similar to the culture media histotípico)

#### Presentation:

A sample of the cell lines used, in the molecular biology department of the Foundation. Ongoing research of nervous tissues

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